Listing of Claims:

1. (Currently Amended) A lamp, comprising:

at least one base for connection to a luminaire, having a curved, essentially rotationally symmetrical reflector with a continuous shell shape;

a light source arranged in the focal point or focal point region of said reflector for the purpose of producing a directional light distribution of the lamp, an edge of the continuous shell shape of the reflector ~~having~~ defining a reflector opening which provides a light exit plane of the lamp, wherein the light source is formed by at least one LED and is arranged spaced apart from the inside of the reflector, and wherein at least one functional element of the LED, at least partially extends essentially along the light exit plane or is arranged at least partially on that side of the light exit plane which faces away from the reflector, and

wherein the at least one functional element engages and extends around [[at an]] the edge of the continuous shell shape of the curved, essentially rotationally symmetrical reflector outside of the reflector opening.

2. (Previously Presented) The lamp as claimed in claim 1, wherein the functional element protrudes at least partially out of the reflector opening.

3. (Previously Presented) The lamp as claimed in claim 1, wherein the LED has at least one associated voltage supply line, which extends essentially along the light exit plane.

4. (Previously Presented) The lamp as claimed in claim 3, wherein two voltage supply lines are provided for the LED which extend essentially diametrically with respect to one another.

5. (Previously Presented) The lamp as claimed in claim 3, wherein three voltage supply lines for the LED are provided, of which in each case two enclose an angle of approximately 120° along the light exit plane.

6. (Previously Presented) The lamp as claimed in claim 3, wherein four voltage supply lines for the LED are provided, of which in each case two enclose an angle of approximately 90° along the light exit plane.

7. (Previously Presented) The lamp as claimed in claim 1, wherein at least one voltage supply line is provided which engages at the edge of the reflector opening.

8. (Previously Presented) The lamp as claimed in claim 1, wherein a transparent cover element is associated with the reflector and closes the reflector opening.

9. (Previously Presented) The lamp as claimed in claim 8, wherein the cover element is essentially in the form of a circular disk.

10. (Previously Presented) The lamp as claimed in claim 8, wherein the cover element has a central opening for accommodating the LED.

11. (Previously Presented) The lamp as claimed in claim 8, wherein at least one voltage supply line is provided which is arranged on that side of the cover element which faces away from the reflector.

12. (Previously Presented) The lamp as claimed in claim 1, wherein a grip part is provided on that side of the light exit plane which faces away from the reflector.

13. (Previously Presented) The lamp as claimed in claim 1, wherein the LED has at least one associated heat sink for heat dissipation purposes.

14. (Previously Presented) The lamp as claimed in claim 13, wherein the heat sink is spaced apart from the apex of the reflector.

15. (Previously Presented) The lamp as claimed in claim 13, wherein the heat sink is arranged on that side of at least one of the light exit plane and the LED which faces away from the reflector.

16. (Previously Presented) The lamp as claimed in claim 13, wherein the heat sink has a compact, solid cooling block.

17. (Previously Presented) The lamp as claimed in claim 16, wherein the cooling block is arranged essentially in the region of a longitudinal center axis of the reflector.

18. (Previously Presented) The lamp as claimed in claim 13, wherein the heat sink comprises a cooling plate, which extends essentially along the light exit plane.

19. (Previously Presented) The lamp as claimed in claim 18, wherein the cooling plate extends from the LED essentially up to the edge of the reflector opening.

20. (Previously Presented) The lamp as claimed in claim 1, wherein the reflector is essentially continuous.

21. (Previously Presented) The lamp as claimed in claim 1, wherein the reflector is free of apertures in the region of its apex.

22. (Previously Presented) The lamp as claimed in claim 1, wherein the reflector is parabolic.

23. (Previously Presented) The lamp as claimed in claim 1, wherein the light source produces a narrowly emitting light distribution.

24. (Previously Presented) The lamp as claimed in claim 1, wherein the functional element of the LED which at least partially extends essentially along the light exit plane or is arranged at least partially on that side of the light exit plane which faces away from the reflector is at least one of a voltage supply line of the LED and a heat sink for the LED.

25. (Previously Presented) The lamp as claimed in claim 5, wherein the three voltage supply lines are for an LED unit having at least two LED's.

26. (Previously Presented) The lamp as claimed in claim 6, wherein the four voltage supply lines are for an LED unit having at least three LED's.

27. (Previously Presented) The lamp as claimed in claim 1, wherein the at least one functional element engages with a curved mounting ring at the edge of the curved, essentially rotationally symmetrical reflector.